

AMENDMENT TO THE CLAIMS

The following “Listing of Claims” replaces all prior versions and Listings of Claims in the application:

1-20. (Canceled)

21. (Currently Amended) An event system comprising:

a base station for displaying at least one performance metric;

one or more mobile sensing units for attachment with mobile participants in a competitive event within a competitive event area and for transmitting wireless data representing at least one performance metric; and

at least one relay unit for placement proximate to and stationary within the competitive event area, the at least one relay unit being remote from the mobile sensing units and the base station, for receiving the wireless data representing the at least one performance metric from the mobile sensing units and for wirelessly transmitting said received data to the base station.

22. (Previously Presented) The system of claim 21, further comprising at least one camera for capturing at least one image and sending data representing said at least one image to the base station.

23. (Previously Presented) The system of claim 21, wherein at least one relay unit includes at least two relay units.

24. (Canceled)

25. (Currently Amended) The system of claim 23, wherein the event arena is a half pipe event area.

26. (Previously Presented) The system of claim 21, further comprising a scoreboard, and wherein the base station displays the at least one performance metric on the scoreboard.

27. (Previously Presented) The system of claim 21, further comprising a display device electrically coupled to the base station, and wherein the base station displays the at least one performance metric on the display device.

28. (Previously Presented) The system of claim 21, wherein the performance metric is at least one selected from the group of rotation, spin, tilt, leaning, acceleration, speed, edge time, distance, drop distance, airtime and g-force.

29. (Original) The system of claim 21, wherein the performance metric includes a rotation rate or total rotation.

30. (Original) The system of claim 21, wherein the performance metric includes a rotation component.

31. (Original) The system of claim 30 wherein the sensing unit includes an accelerometer.

32. (Original) The system of claim 30, wherein the sensing unit includes at least one magnetic field sensing device.

33. (Original) The system of claim 32, wherein the sensing unit further includes one or more pitch and roll sensors.

34. (Previously Presented) The system of claim 30, wherein the sensing unit includes one or more magnetic field sensing devices indicating 3 axes of rotation.

35. (New) A system comprising:

one or more mobile sensing units detachably engaged to a mobile object in an event area, the mobile sensing units to detect at least one performance metric of the mobile object and to transmit wireless data representing the performance metric;

one or more stationary relay units located proximate the event area and remotely from the mobile sensing units, the stationary relay units to receive the wireless data representing the performance metric from the mobile sensing units and to wirelessly re-transmit the data representing the performance metric; and

a base station to receive the wireless data representing the performance metric from the stationary relay units.

36. (New) The system of claim 35 further comprising:

one or more mobile cameras detachably engaged to the mobile object to capture at least one image and to transmit data representing the image.

37. (New) The system of claim 35 further comprising:

a display device coupled to the base station, the display device to display at least one performance metric.

38. (New) The system of claim 35, the performance metric representing at least one of rotation rate, total rotation, spin, tilt, leaning, acceleration, speed, edge time, distance, drop distance, airtime, g-force, or a combination thereof.

39. (New) A method comprising:

detecting, by a mobile sensing unit engaged to a mobile object in an event area, at least one performance metric of the mobile object;

transmitting, by the mobile sensing unit, wireless data representing the performance metric;

receiving, by a stationary relay unit located proximate the event area and remotely from the mobile sensing units, the wireless data representing the performance metric; and

transmitting, by the stationary relay unit, the wireless data representing the performance metric.

40. (New) The method of claim 39 further comprising:

receiving, by a base station, the wireless data representing the performance metric from the stationary relay unit.

41. (New) The method of claim 40 further comprising:

displaying, by a display device coupled to the base station, the performance metric.

42. (New) The method of claim 40 further comprising:

capturing, by a mobile camera coupled to the mobile object, an image; and

transmitting, by the mobile camera, data representing the image.

43. (New) The method of claim 40, the performance metric representing at least one of rotation rate, total rotation, spin, tilt, leaning, acceleration, speed, edge time, distance, drop distance, airtime, g-force, or a combination thereof.